

Appl. No 10/728,689  
Amdt. dated April 8, 2005  
Reply to Office action of June 29, 2005

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-27 (Canceled)

**Claim 28. (Currently Amended)** A portable communicator comprising:

a wireless communication device thatmeans-which is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer thatwhich outputs control commands to the wireless communication devicemeans, enters data from said public communication channel through said wireless communication devicemeans or transmits data to said public communication channel through said wireless communication devicemeans;

a first and a second displays thatwhich show predetermined images sent by the computer;

a power controller thatwhich provides power to said first display when an on-switch is operated to output an on-signal, which activates the first display wherein input and output take place using the first display and thatwhich puts the first display on standby when an off-switch is operated to output an off-signal;

a housing thatwhich contains said wireless communication devicemeans, said computer and said display assembled therein; and

a power-levelremainder display portion thatwhich shows a remaining amount of power capacity on said second display.

**Claim 29. (Currently Amended)** A portable communicator comprising:

a wireless communication device thatmeans-which is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer thatwhich outputs control commands to the wireless

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communication ~~devicemeans~~, enters data from said public communication channel through said wireless communication ~~devicemeans~~ or transmits data to said public communication channel through said wireless communication ~~devicemeans~~;

a first and a second displays ~~thatwhich~~ show predetermined images sent by the computer;

a power controller ~~thatwhich~~ provides power to said first display when an on-switch is operated to output an on-signal, which activates the first display wherein input and output take place using the first display and ~~thatwhich~~ puts the first display on standby when an off-switch is operated to output an off-signal;

a housing ~~thatwhich~~ contains said wireless communication ~~devicemeans~~, said computer and said display assembled therein; and

a ~~performanceoperation~~ status display portion ~~thatwhich~~ shows a ~~performance-status~~an operation condition on said second display.

Claim 30. (Currently Amended) The portable communicator according to claim 29, wherein the ~~performanceoperation~~ status display shows a ~~status~~an operation condition selected from ~~waitingstandby-for-reception~~, receiving data, calling, ~~transmittingsending~~ data, telephoning, ~~receiving fax~~, and recording messages.

Claim 31. (Currently Amended) A portable communicator comprising:

a wireless communication ~~device thatmeans which~~ is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer ~~thatwhich~~ outputs control commands to the wireless communication ~~devicemeans~~, enters data from said public communication channel through said wireless communication ~~devicemeans~~ or transmits data to said public communication channel through said wireless communication ~~devicemeans~~;

a display ~~thatwhich~~ shows predetermined images sent by the

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computer;

a power controller ~~thatwhich~~ provides power to said display when an on-switch is operated to output an on-signal, which activates the display wherein input and output take place using the display, and ~~thatwhich~~ puts the display on standby when an off-switch is operated to output an off-signal;

a housing ~~thatwhich~~ contains said wireless communication ~~devicemeans~~, said computer and said display assembled therein; and

a monitor ~~device thatmeans-which~~ monitors the operation condition of the portable communicatorperformance-status irrespective of the operated actionoperation-status of said on and off switches.

Claim 32. (Currently Amended) The portable communicator according to claim 31, wherein the monitor ~~devicemeans~~ is composed of monitor lamps whose colors are changeable.

Claim 33. (Currently Amended) A portable communicator comprising:

a wireless communication ~~device thatmeans-which~~ is wirelessly connected to a public communication channel and conducts transmission and reception through the communication channel;

a computer ~~thatwhich~~ outputs control commands to the wireless communication ~~devicemeans~~, enters data from said public communication channel through said wireless communication ~~devicemeans~~ or transmits data to said public communication channel through said wireless communication ~~devicemeans~~;

a first and a second displays ~~thatwhich~~ show predetermined images sent by the computer;

a power controller ~~thatwhich~~ provides power to said first display when an on-switch is operated to output an on-signal, which activates the first display wherein input and output take place using the first display and ~~thatwhich~~ puts the first display on standby when an off-switch is operated to output an off-signal; and

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a housing ~~thatwhich~~ contains said wireless communication ~~devicemeans~~, said computer and said display assembled therein,

wherein said computer comprises:

a determination ~~devicemeans~~ for standby-for-reception status determining whether or not said wireless communication ~~devicemeans~~ is in the standby-for-reception status irrespective of the ~~operated actionoperation status~~ of said on and off switches; and

a display ~~devicemeans~~ showing a ~~waiting-for-reception conditionthe standby-for-reception status~~ on said second display when the determination ~~devicemeans~~ for the standby-for-reception status determines that said wireless communication ~~devicemeans~~ is in the standby-for-reception status.

Claim 34. (Currently Amended) A portable communicator comprising:

a wireless communication ~~device thatmeans-which~~ is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer ~~thatwhich~~ outputs control commands to the wireless communication ~~devicemeans~~, enters data from said public communication channel through said wireless communication ~~devicemeans~~ or transmits data to said public communication channel through said wireless communication ~~devicemeans~~;

a first and a second displays ~~thatwhich~~ show predetermined images sent by the computer;

a power controller ~~thatwhich~~ provides power from a storage battery to said first display when an on-switch is operated to output an on-signal, which activates the first display wherein input and output take place using the first display and ~~thatwhich~~ puts the first display on standby when an off-switch is operated to output an off-signal; and

a housing ~~thatwhich~~ contains said wireless communication ~~devicemeans~~, said computer and said display assembled therein,

wherein said computer comprises

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a power capacity determination device that~~level-detecting means-which~~ detects the power capacitylevel of said storage battery irrespective of the operated action~~operation-status~~ of said on and off switches; and

a remainder power level-display device that~~means-which~~ shows on said second display the power capacity determined by~~level-that~~ said power capacity determination device~~level-detecting means-reads~~.

Claim 35. (Currently Amended) A portable communicator comprising:

a wireless communication device that~~means-which~~ is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that~~which~~ outputs control commands to the wireless communication device~~means~~, enters data from said public communication channel through said wireless communication device~~means~~ or transmits data to said public communication channel through said wireless communication device~~means~~;

a first and a second displays that~~which~~ show predetermined images sent by the computer;

a power controller that~~which~~ provides power from a storage battery to said first display when an on-switch is operated to output an on-signal, which activates the first display wherein input and output take place using the first display and that~~which~~ puts the first display on standby when an off-switch is operated to output an off-signal; and

a housing that~~which~~ contains said wireless communication device~~means~~, said computer and said display assembled therein,

wherein said computer comprises:

a power capacity determination device that~~level-detecting means-which~~ detects the power capacitylevel of said storage battery irrespective of the operated action~~operation-status~~ of said on and off switches;

a power capacitylevel display device that~~means-which~~ shows on

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said second display the power capacity determined by level that said power capacity determination device level detecting means reads;

a determination device means for a standby-for-reception status determining whether or not said wireless communication device means is in the standby-for-reception status; and

a display device means for an operation condition the standby-for-reception status showing a waiting-for-reception condition the status on said second display when the determination device means for the standby-for-reception determines that said wireless communication device means is in the standby-for-reception status.

Claim 36. (Currently Amended) An information device with first and second displays comprising:

a communication device that means which is connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that which outputs control commands to the communication device means, enters data from the public communication channel through the communication device means and transmits the data to the public communication channel through the communication device means;

first and second displays that which show predetermined images sent by the computer;

a power controller that which activates the first display wherein output control takes place using the first display when an on-switch is operated to output an on-signal, and that which puts the first display on standby wherein output control doesn't take place using the first display when an off-switch is operated to output an off-signal; and

a display control device that means which constantly controls the second display to monitor operation condition performance status irrespective of operated action operational status of the on and off switches.

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**Claim 37-39 (Canceled)**

**Claim 40 (Previously Presented) A portable communicator comprising:**

a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that outputs control commands to the wireless communication device, enters data from the public communication channel through the wireless communication device and transmits data to the public communication channel through the wireless communication device;

two displays that show predetermined images sent by the computer;  
and

a display controlling device to show an operation condition ~~standby-for-reception status~~ of the portable communicator on the two displays.

**Claim 41. (Previously Presented) A portable communicator comprising:**

a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that outputs control commands to the wireless communication device, enters data from the public communication channel through the wireless communication device and transmits data to the public communication channel through the wireless communication device;

two displays that show predetermined images sent by the computer;

a display controlling device to show an operation condition ~~standby-for-reception status~~ of the portable communicator on one of the two displays; and

another display controlling device to show receive data and transmit data on the other display.

**Claim 42. (Previously Presented) A portable communicator comprising:**

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a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that outputs control commands to the wireless communication device, enters data from the public communication channel through the wireless communication device and transmits data to the public communication channel through the wireless communication device;

two displays that show predetermined images sent by the computer;

a ~~remainder~~~~power~~-level display controlling device to show a remaining ~~amount of power~~ capacity on the display; and

a display controlling device to display the remaining ~~amount of~~ power capacity on one of the two displays and to display a data menu and a telephone menu on the other display.

Claim 43. (Previously Presented) A portable communicator comprising:

a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that outputs control commands to the wireless communication device, enters data from the public communication channel through the wireless communication device, and transmits data to the public communication channel through the wireless communication device;

a display that shows predetermined images sent by the computer;

a ~~remainder~~~~power~~-level display controlling device to show a remaining ~~amount of power~~ capacity on the display; and

a receiving status display controlling device to show a receiving status of the portable communicator with a lamp.

Claim 44 (New) A portable communicator comprising:

a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;



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a computer that outputs control commands to the wireless communication device, enters data from the public communication channel through the wireless communication device and transmits data to the public communication channel through the wireless communication device;

a display that shows predetermined images sent by the computer;

a remainder display controlling device to show a remaining power capacity on the display; and

a operation status display controlling device to show an operation condition of the portable communicator on the display while the remaining power capacity is shown.

**Claim 45 (New) A portable communicator comprising:**

a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that outputs control commands to the wireless communication device, enters data from the public communication channel through the wireless communication device and transmits data to the public communication channel through the wireless communication device;

a display that shows predetermined images sent by the computer;

a remainder display controlling device to show a remaining power capacity on the display; and

wherein the remaining power capacity is shown by the remainder display controlling device on the display regardless of whether the portable communicator is in a receiving-data status and a calling status.

**Claim 46 (New) A portable communicator comprising:**

a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that outputs control commands to the wireless communication device, enters data from the public communication channel

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through the wireless communication device and transmits data to the public communication channel through the wireless communication device;

a display that shows predetermined images sent by the computer;

a remainder display controlling device to show a remaining power capacity on the display; and

a display controlling device to display a navigation menu and a telephone menu while the remaining power capacity is shown.

**Claim 47 (New)** A portable communicator comprising:

a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that outputs control commands to the wireless communication device, enters data from said public communication channel through said wireless communication device or transmits data to said public communication channel through said wireless communication device;

a display that shows predetermined images sent by the computer;

a power controller that provides power to said display when an on-switch is operated to output an on-signal, which activates the display wherein input and output take place using the display, and that puts the display on standby when an off-switch is operated to output an off-signal;

a housing that contains said wireless communication device, said computer and said display assembled therein; and

a remainder display portion that shows a remaining amount of power irrespective of the operated action of said on and off switches.

**Claim 48 (New)** The portable communicator according to claim 47, wherein the remaining power capacity is shown with a bar graph.

**Claim 49 (New)** A portable communicator comprising:

a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception

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through the public communication channel;

a computer that outputs control commands to the wireless communication device, enters data from said public communication channel through said wireless communication device or transmits data to said public communication channel through said wireless communication device;

a display that shows predetermined images sent by the computer;

a power controller that provides power to said display when an on-switch is operated to output an on-signal, which activates the display wherein input and output take place using the display, and that puts the display on standby when an off-switch is operated to output an off-signal;

a housing that contains said wireless communication device, said computer and said display assembled therein; and

a operation status display portion that shows an operation condition status irrespective of the operated action of said on and off switches.

Claim 50 (New) The portable communicator according to claim 49, wherein the operation status display portion shows the operation condition status selected from waiting-for-reception, receiving-data, calling, transmitting-data, telephoning, receiving fax, and recording-messages.

Claim 51 (New) A portable communicator comprising:

a wireless communication device that is wirelessly connected to a public communication channel and conducts transmission and reception through the public communication channel;

a computer that outputs control commands to the wireless communication device, enters data from the public communication channel through the wireless communication device and transmits data to the public communication channel through the wireless communication device;

at least one display that shows predetermined images sent by the computer; and

a remainder display controlling device to show a remaining power capacity on the display.